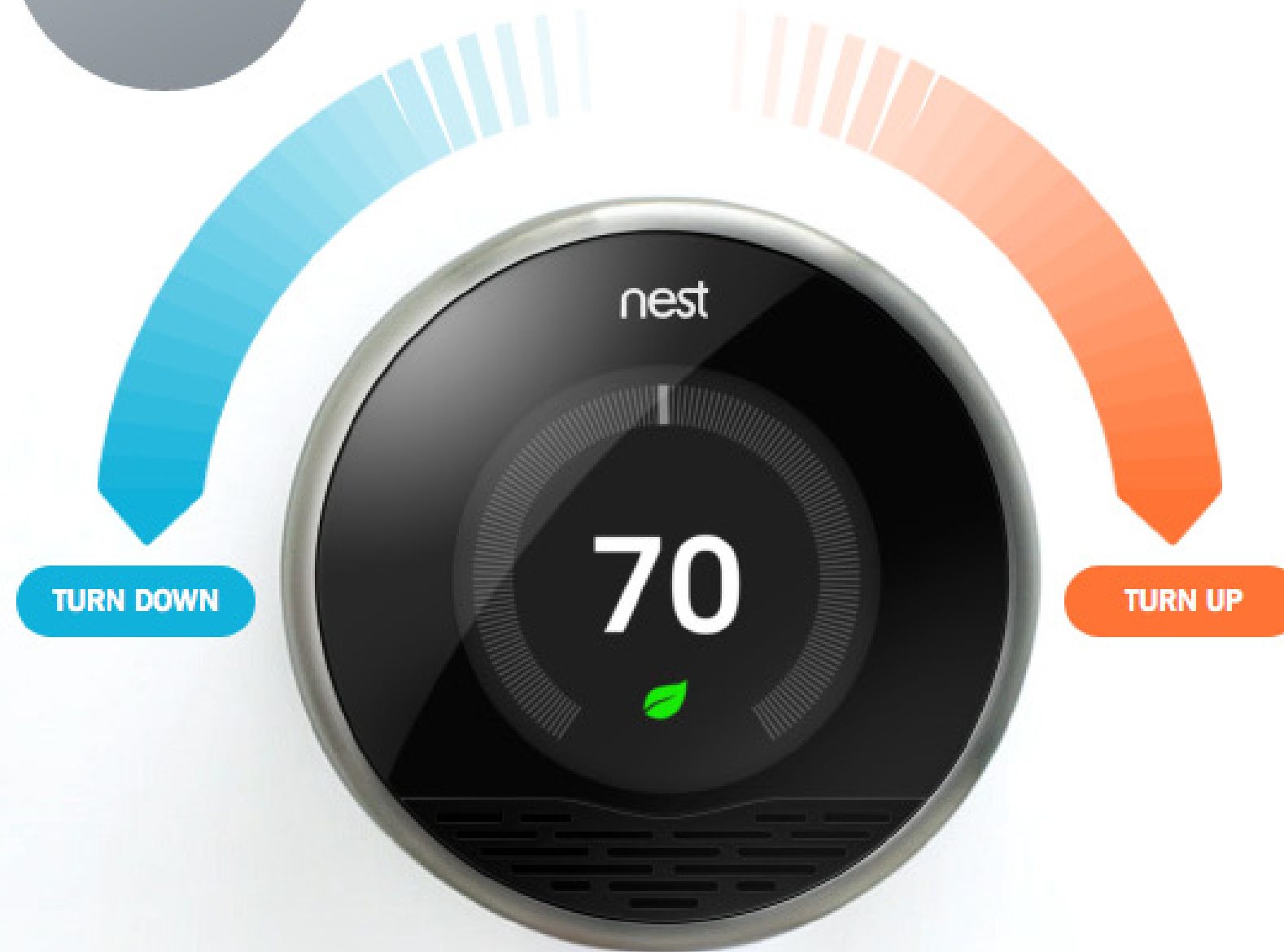


IBM "The Internet of Things" (210) & "Systems of Systems"
<http://www.youtube.com/watch?v=sfEbMV295Kk&> / http://www.youtube.com/watch?v=h2br2_twHfw&
CCT470 Information Visualization
Lecture 10: Open Data, Big Data

DAY
2

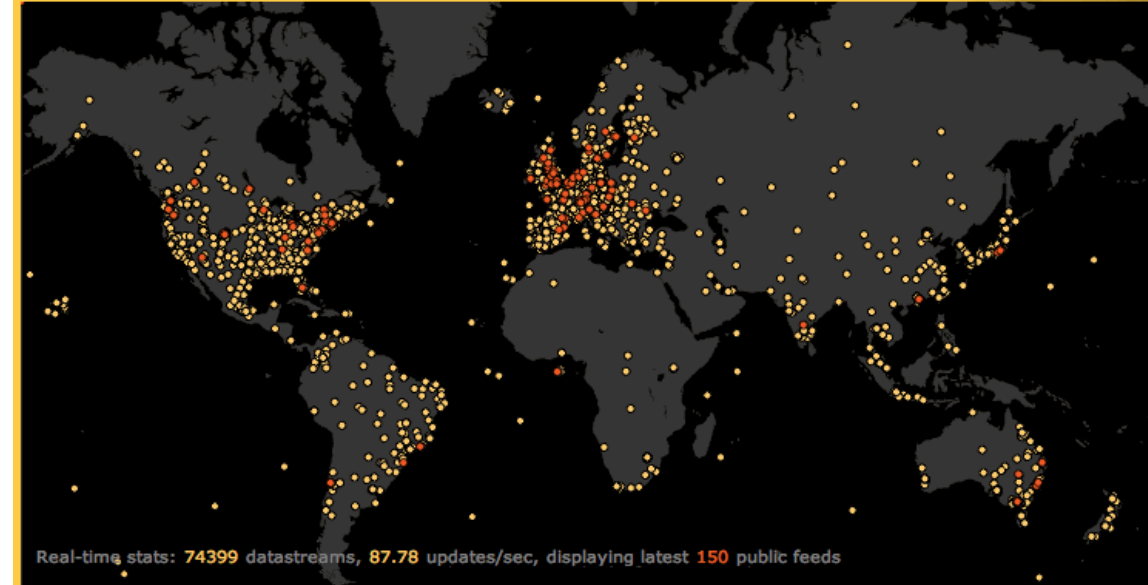


Teach Nest to save.

Nest will do what you tell it, so teach it energy saving habits: turn the temperature down at night or when you leave the house, and don't turn the temperature too high or low.

Nest will remember to save,
even if you forget.

Nest 'the learning thermostat'
<http://www.nest.com/living-with-nest/index.html#videotour>



Sign up now for free!

More info

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Quick feed finder

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Popular tags

radiation temperature
 electricity air quality
 humidity light weather
 water co2 japan

What is it?

Use and build applications which update and respond in real-time.

- Send your data to Pachube in real-time
- Leverage a powerful API
- Get applications
- Use and benefit from the community's data

Why use it?

Make your data useful and be a part of the Internet of Things.

- Get applications that work with your data
- Make your 'things' work for you more efficiently
- Collaborate and solve problems
- Monitor and understand the world around you

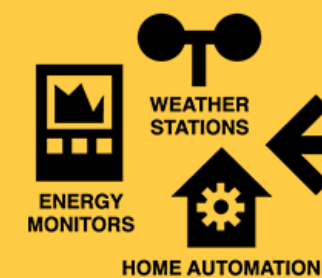
Who's using it?

People in over 100 countries push millions of data points every day.

- Citizens concerned about radiation levels
- Energy consumers controlling their costs
- Farmers and gardeners optimizing their crops
- Managers automating buildings

How it works

Hardware



[Find hardware, then connect it using the Pachube API](#)

Pachube

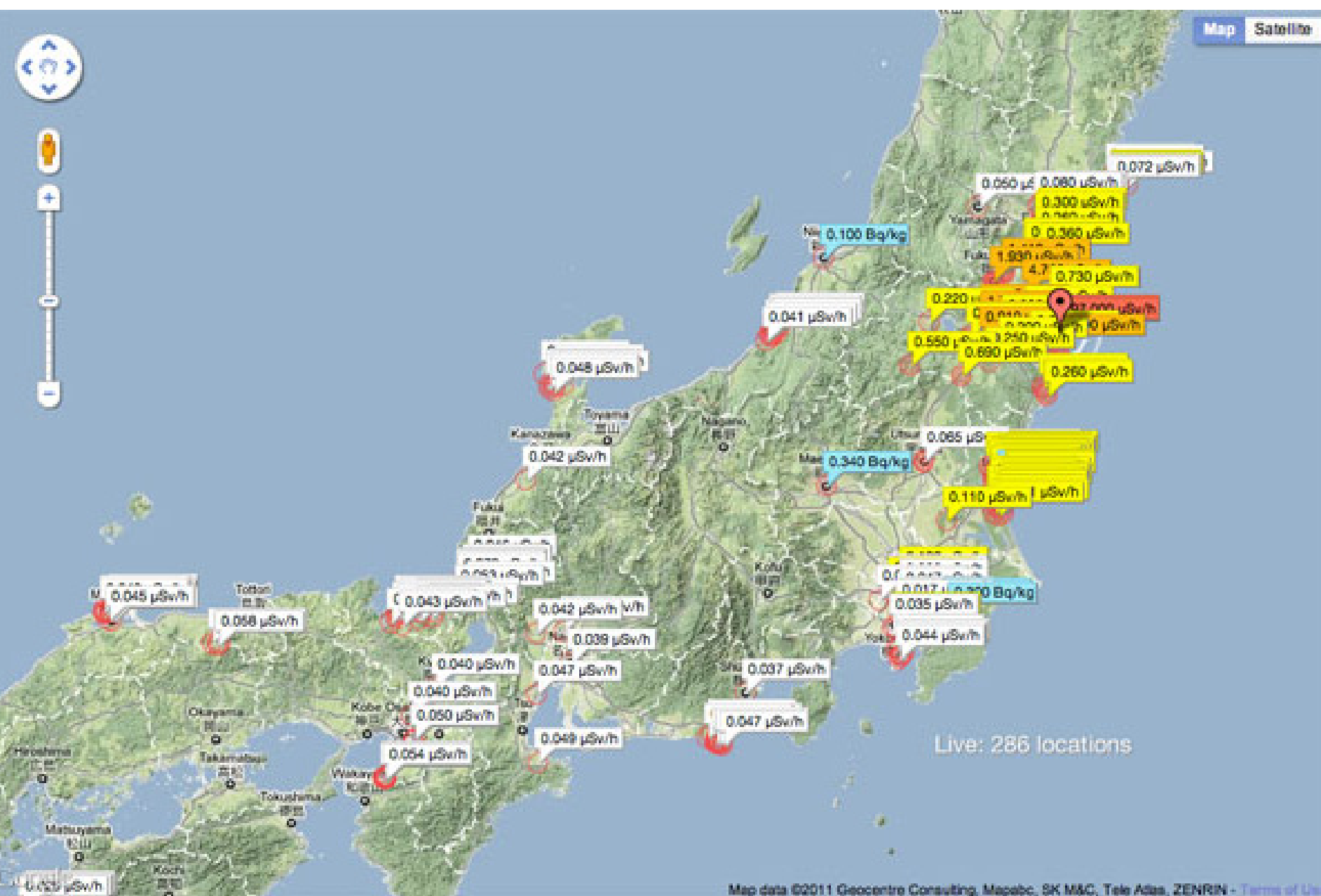


[Sign up for a Pachube account, it's quick and easy!](#)

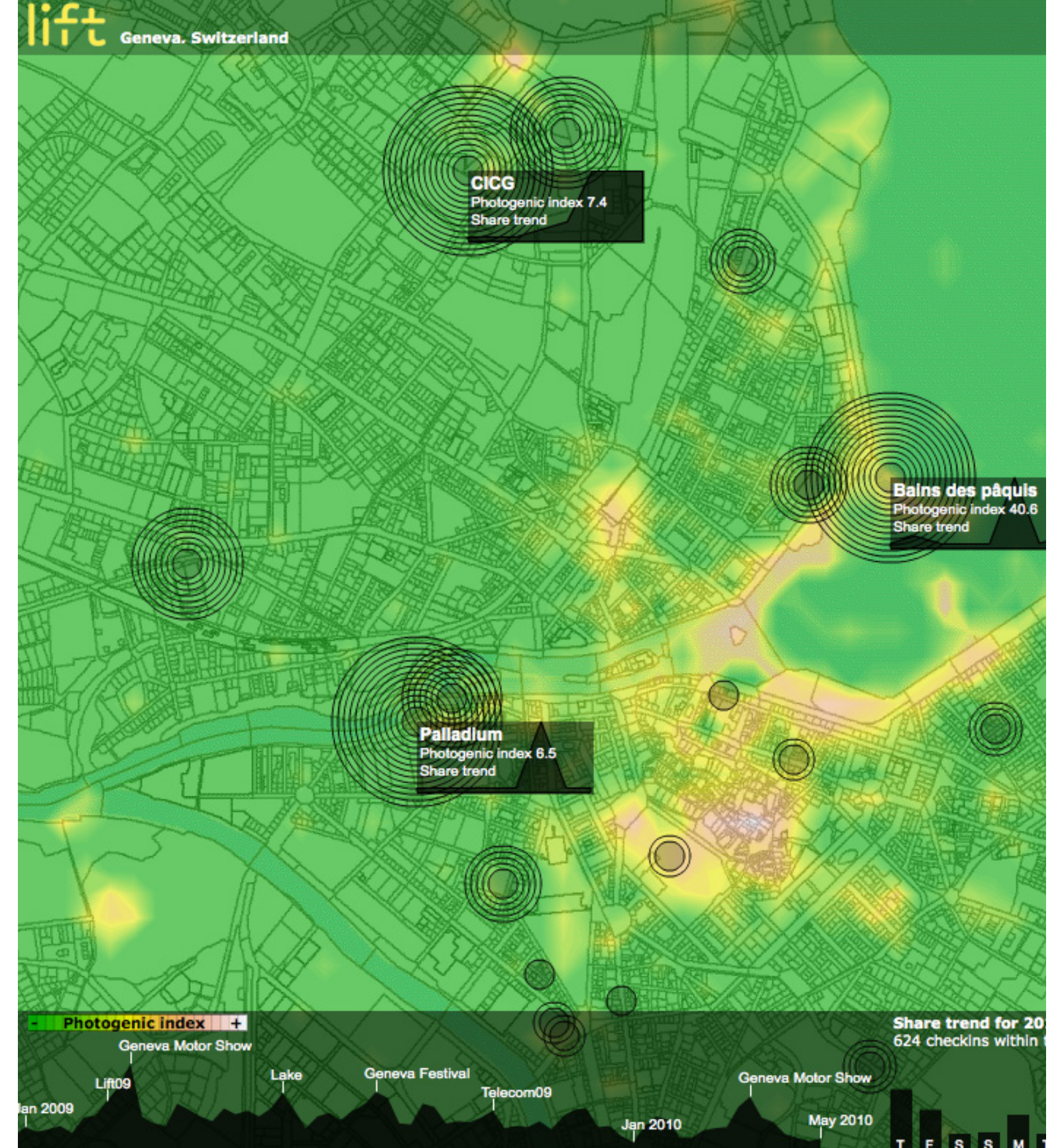
Applications



[Find apps, or build your own using the Pachube API](#)



OPEN



Fabien Girardin “ Geneva from its Social Network Activities”
<http://www.liftlab.com/lift10>

Fabien Girardin's "Data City: A Text for Visual Complexity, the Book"

"A city has, by default, always been about information and its diffusion. Historically, fixed settlements permitted the development of newspapers and the possibility for the exchange of information. It will continue to do so in the near future given the volume of data modern cities generate and the emerging selection of algorithms and visualizations available to us to extract information."

"Simultaneously, this membrane reports on previously invisible dynamics of a city; providing new means to the multiple actors of the urban life to reshape the spaces, the policies, the flows, the services and the many different aspects that constitute a city."

"For instance, the aggregated view of mobile phone traffic reveals the "pulse" of a city..."

City: Toronto Price: \$1500 - \$2000 Show Filters New Refresh Link



pics	price	bd	description
	\$2000	2bd	1000ft&sup2; - Stacked Townhouse
	\$2000	1bd	732ft&sup2; - 1BR+Den+2Bath+Parking
	\$2000	2bd	950ft&sup2; - Luxury 2 bedroom condo in the heart of North York for rent!
	\$1500	5bd	1550ft&sup2; - Detached house for rent in Newmarket!
	\$1695	5bd	5 Near Sq 1
	\$1900	3bd	1911ft&sup2; - 3 Bedrooms Finished W/O Bsmt Townhouse at Richmond Hill
	\$1850	2bd	900ft&sup2; - Large 2 bedroom bathroom condo right downtown
	\$1800	1bd	600ft&sup2; - One bedroom 3r floor
	\$1790	2bd	1000ft&sup2; - Bright and Very Spacious 2 Bdrm 2 Bath (Bath & Centre)
	\$1500		Furnished Apartment For Short/Long Term, No Lease, Downtown
	\$1599	1bd	560ft&sup2; - Beautiful 1 Bedroom Loft in Downtown Toronto (Cityplace)
	\$1850	3bd	1400ft&sup2; - Semi Detached Newly renovated 3BR bungalow at Pape/Danforth
	\$1650	2bd	1106ft&sup2; - Location Location! Must See Kipling Station
	\$1600	1bd	700ft&sup2; - 1BR+Den Brand New Luxury Condo by Tridel
	\$1500	2bd	1000ft&sup2; - Reno'd main flo bungalow
	\$1600	1bd	Condo Rentals Downtown Toronto
	\$1600	2bd	1200ft&sup2; - 2 Bdr Condo For Rent
	\$1725	2bd	550ft&sup2; - annex unit for rent
	\$1600	1bd	550ft&sup2; - Large One Bedroom condo downtown for rent!
	\$1800		700ft&sup2; - Open house Sun Nov 6 Large one bed room with Den
	\$1600	1bd	505ft&sup2; - 1 Bedroom Hard Authentic Loft At Tannery Lofts "All Inclusive"
	\$1800		Downtown Condo Penthouse
	\$1650	2bd	1107ft&sup2; - 2 Bedroom/2 Bath corner suite off Kipling subway (unfurnished)
	\$1525		1000ft&sup2; - Condo for Rent bed/ 1Full bath
	\$1550	3bd	3 Bdr. Bungalow for Rent- Yonge/Elgin Mills
	\$1800	1bd	720ft&sup2; - Fabulous Bright Loft with 400sqft Terrace, park & locker!
	\$1700	3bd	1100ft&sup2; - Leslie & Hwy 7 3 BR. Condo
	\$1700	1bd	Merchandise Building Lofts available December 1
	\$1650	1bd	780ft&sup2; - Immediate Move Large downtown Lakefront Condo+ Pets Ok
	\$1800	1bd	700ft&sup2; - Luxurious New condo For Rent/ 1br + den
	\$1500	3bd	1200ft&sup2; - 3 bedroom bungalow main floor
	\$1500	3bd	1400ft&sup2; - 3 bedroom mainfloor only
	\$1500	3bd	1500ft&sup2; - House close to subway station
	\$1675	1bd	800ft&sup2; - Large 1+Den in Modern Luxury Condo- Downtown Toronto
	\$1695	3bd	1050ft&sup2; - 2 storey



Adam Schwab "Rocket Radar" (2010)
<http://itunes.apple.com/ca/app/rocket-radar/id407157848?mt=8>

Transit feeds
housing availability

...what else?

For more on data and the city see:
Dan Hills 2008 text “Street As Platform”
<http://www.cityofsound.com/blog/2008/02/the-street-as-p.html>

BIG



Software Studies Initiative "Rocket Radar" (2010)
<http://itunes.apple.com/ca/app/rocket-radar/id407157848?mt=8>